

**UTILITY
PATENT APPLICATION
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

00/61/90

Attorney Docket No.	2323-151	Total Pages	197
<i>First Named Inventor or Application Identifier</i>			
Mark T. KEATING et al.			
Express Mail Label No.			

JC68 09/97/32
JC68 09/97/32
JC68 09/97/32

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1. Fee Transmittal Form
(Submit an original, and a duplicate for fee processing)
2. Specification Total pages [109]
(preferred arrangement set forth below)
 - Descriptive title of the invention
 - Cross references to Related Applications
 - Statement Regarding Fed sponsored R&D
 - Reference to Microfiche Appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings
 - Detailed Description
 - Claims
 - Abstract of the Disclosure
3. Drawing(s) (35 USC 113) (Total Sheets) [24]
4. Oath or Declaration (Total Pages) [20]
 a. Newly executed (original or copy)
 b. Copy from a prior application
 (37 CFR 1.63(d))
 (for continuation/divisional with Box 17 completed)

[Note Box 5 below]
5. Incorporation by Reference (useable if Box 4b is checked) The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.

ADDRESS TO: **Assistant Commissioner of Patents
Box Patent Application
Washington, D.C. 20231**

6. Microfiche Computer Program (Appendix)
7. Nucleotide and/or Amino Acid Sequence Submission
(if applicable, all necessary)
 - a. Computer Readable Copy
 - b. Paper Copy (identical to computer copy)
(34 pages)
 - c. Statement verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

8. Assignment Papers (cover sheet & document(s))
9. 37 CFR 3.73(b) Statement
(when there is an assignee)
 - Power of Attorney
10. English Translation Document *(if applicable)*
11. Information Disclosure Statement /PTO 1449
 - Copies of IDS Citations
12. Preliminary Amendment
13. Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)
14. Small Entity Statement(s)
 - Statement Filed in prior application,
Status still proper and desired
15. Certified Copy of Priority Document(s).
(if foreign priority is claimed)
16. Other:

17. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information:

Continuation Divisional Continuation-in-part (CIP) of prior application No.: 09/135,010

18. CORRESPONDENCE ADDRESS

Customer Number or Bar Code Label or Correspondence address below
(Insert Customer No. or Attach bar code label here)

Name	Stephen A. Saxe, Ph.D., Reg. No. 38,609				
Address	Rothwell, Figg, Ernst & Manbeck Suite 701-East, 555 13th Street, N.W.				
City	Washington	State	D.C.	Zip Code	20004
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06/19/00

JC68
U.S.
PTO

FEE TRANSMITTAL
(Large Entity)

Complete if Known			
Application Number		Filed Herewith	
Filing Date		Filed Herewith	
First Named Inventor		Mark T. KEATING et al.	
Group Art Unit			
Examiner Name			
Total Amount of Payment	(\$1,314.00)	Attorney Docket Number	2323-151

METHOD OF PAYMENT (check one)

- The Commissioner is hereby authorized to charge indicated fees and credit any overpayment to Deposit Account Number 02-2135 in the name of Rothwell, Figg, Ernst & Manbeck
- Charge any Additional Fee Required Under 37 CFR 1.16 and 1.17
- Charge for the Issue Fee Set in 37 CFR 1.18 at the Mailing of the Notice of Allowance
- Payment Enclosed: Check

FEES CALCULATION**1. FILING FEE**

Fee Description	Fee Code	Fee Paid
[X] Utility Filing Fee	101	690
[] Design Filing Fee	106	310
[] Plant Filing Fee	107	480
[] Reissue Filing Fee	108	690
[] Provisional Filing Fee	114	150

SUBTOTAL \$690.00

2. CLAIMS

Total Claims	12 - 20 =	x	\$18	=	Fee Paid
Independent Claims					
Multiple Dependent Claims	11 - 3 =	8 x	78	=	624
			+ 260	=	

SUBTOTAL \$ 624.00

FEES CALCULATION (continued)**3. ADDITIONAL FEES**

Fee Description	Fee Code	Fee Paid
[] Surcharge - late filing fee or oath	105	130
[] Surcharge - late provisional filing fee or cover sheet	127	50
[] Non-English specification	139	130
[] For filing a request for reexamination	147	2,520
[] Requesting publication of SIR prior to Examiner action	112	920
[] Requesting publication of SIR after Examiner action	113	1,840*
[] Extension for reply within first month	115	110
[] Extension for reply within second month	116	380
[] Extension for reply within third month	117	870
[] Extension for reply within fourth month	118	1,360
[] Extension for reply within fifth month	128	1,850
[] Notice of Appeal	119	300
[] Filing a brief in support of an appeal	120	300
[] Request for Oral Hearing	121	260
[] Petition to institute a public use proceeding	138	1,510
[] Petition to revive -unavoidable	140	110
[] Petition to revive - unintentional	141	1,210
[] Utility issue fee (or reissue)	142	1,210
[] Design issue fee	143	430
[] Plant issue fee	144	580
[] Petitions to the Commissioner	122	130
[] Petitions related to provisional applications	123	50
[] Submission of Information Disclosure Statement	126	240
[] Recording each patent assignment per property (times number of properties)	581	40
[] Filing a submission after final rejection (37 CFR 1.129(a))	146	690
[] For each additional invention to be examined (37 CFR 1.129(b))	149	690

[]

* Reduced by Basic Filing Fee Paid

SUBTOTAL \$

SUBMITTED BY			Complete (if applicable)		
NAME AND REG. NUMBER	Stephen A. Saxe, Ph.D., Reg. No. 38,609				
SIGNATURE	Stephen A. Saxe	DATE	19 June 2000	DEPOSIT ACCOUNT USER ID	02-2135

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Mark T. KEATING et al.

Serial No.: Not Yet Assigned

Examiner: Not yet assigned

Filed: Herewith

Group Art Unit: Not yet assigned

For: KVLQT1 - A LONG QT
SYNDROME GENE

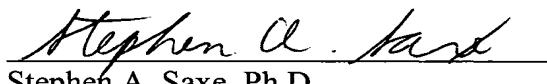
STATEMENT PURSUANT TO 37 C.F.R. § 1.821(e)

Assistant Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

In the matter of the above-identified application, which is filed concurrently herewith, Applicants note that the Sequence Listing of the present application is identical to the Sequence Listing and the computer readable form submitted 30 May 2000 in parent application Serial No. 09/135,010, filed 17 August 1998. It is requested that said computer readable form of the Sequence Listing from the parent application be used for the present application.

Respectfully submitted,


Stephen A. Saxe, Ph.D.
Registration No. 38,609

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Dated: 19 June 2000
Docket No. 2323-151